Table 8B
Proposed Channel Improvements
Tributaries C and D

Channel Location		Proposed Channel Geometry							Required
From	To	Channel Type	Mannings 'n' Value	Slope, %	BW, Ft.	SS	Depth, Ft.	Capacity cfs	Capacity, cfs
Tributary C									
Burton Creek	Sta. 2031	Earthen	0.040	0.43	14	3:1	10	3,419	3,246
Sta. 2031	Texas Ave	Earthen	0.040	0.43	6	3:1	10	2,632	2,200
Texas Ave	S. College	Earthen	0.040	0.50	6	3:1	10	2,838	1,767
Tributary D									
Texas Ave.	Cavitt	Earthen	0.040	0.30	18	3:1	10	3,191	3,103
Cavitt	S. College	Earthen	0.040	0.30	14		10	2,855	2,814
Lake	Williamson	Earthen	0.040	0.34	6	3:1	10	2,340	1,870
Williamson	Carson	Earthen	0.040	0.34	6	3:1	10	2,340	1,588
Carson	Duncan	Earthen	0.040	0.50	6	3:1	8	1,652	696
Duncan	UPRR	Earthen	0.040	0.50	6	3:1	8	1,652	300

Notes
1. Channel capacity is from normal depth calculations.
2. The Required Capacity is the ultimate discharge rate defined in the hydrology report.
3. The channel flow line will have to be lowered in the upstream reaches to obtain the required depth.

Abbreviations
BW = Botom Width of channel
SS = Side Slope (H:V)
U/S = Upstream
D/S = Downstream